

NIKHIL NARVEKAR

nikhil.narvekar.712@gmail.com | 469-664-2069 | Plano, Texas

www.nikhilnarvekar.com | <https://www.linkedin.com/in/nikhil-narvekar123/> | [www.github.com/NikhilNarvekar123](https://github.com/NikhilNarvekar123)

EDUCATION

The University of Texas at Dallas

Expected Graduation: May 2023

B.S. in Computer Science (Academic Excellence Scholar & Honors Computing Scholar)

GPA: 3.92

Relevant Courses – Data Structures, C++ in Unix Environment, Computer Architecture, Discrete Math, Linear Algebra

EXPERIENCE

SpaceX, Flight Software Intern – Hawthorne, CA

June 2021 – August 2021

- Part of Software Delivery and Engineering Team.
- Building a **Fullstack** internal tool from ground-up using **React** and **Python**.
- Working on flight software code for current SpaceX missions.

RealPage, Software Development Intern – Dallas, TX

February 2021 – April 2021

- Building SaaS leasing dashboard application/REST API using **Spring (Java)** and **PostgreSQL**.
- Using **Swift** and **Angular.js** to create frontend interface for leasing dashboard app, used by over 200 clients.
- Automated developments to production servers through CI/CD pipelines in Azure DevOps using **Ansible**.
- Attended daily sprint standups and presented insights into potential optimizations and work timelines.

First Tech Challenge Robotics, Captain / Lead Programmer – Team #11419, #12977 Plano, TX

August 2016 – May 2020

- Created **embedded software** with **Java** for autonomous/driver-controlled robots, incorporating sensor data, encoders, motors/servos, and odometry.
- Used **OpenCV computer vision** software with **TensorFlow** for object-recognition on the robot's camera.
- Led team presentations of robot, conducted outreach with company sponsors, and managed \$2000 budget.
- Implemented **Scrum** systems for team planning and won multiple competitions and prestigious Inspire Award.

PROJECTS & RESEARCH

UTD Voltron Autonomous Vehicle Research – Dallas, TX

February 2021 – Present

- Researching under Dr. Justin Ruths to develop more efficient autonomous vehicles.
- Adding Nvidia GPU, LIDAR, camera to an electric golf cart to enable self-driving capabilities.
- Programming with **Robot OS**, Luna data processing, and Autoware Auto inside a **Docker** container on **Linux OS**.

GrassrootsGov – Dallas, TX

October 2020 – Present

- Building **React.js** website for GrassrootsGov, with user accounts, searching, and social networking systems.
- Implemented data-fetching from real-time **Firebase** DB and other **APIs** in a **Node.js** backend.
- Mocked up site UI with **Figma**, used CSS libraries like Tailwind.css to add UI to React frontend.

COVID-19 Web Contact Tracer – Plano, TX

March 2020 – June 2020

- Created **JS/HTML/CSS** frontend to let users check if they have been in contact with another user who reported positive for COVID-19.
- Backend built with **Django** and **Python** to set up **user authentication** and compare users' location histories with GPS data saved in **Firebase**.

SKILLS & INTERESTS

Languages: Java, Python, JavaScript, C++, C#, HTML/CSS

Frameworks/Tools: Spring Boot, Git, Node.js, React.js, Angular.js, OpenCV, REST APIs, Unreal Engine, Unity

Databases: Google Firebase, SQL, MongoDB

Interests: Web Development (Fullstack), Machine Learning, AI, Robotics, Embedded Programming

ACTIVITIES & AWARDS

YoungBytes, CEO/Co-founder

June 2019 – December 2020

- Managed virtual tutoring organization, raised \$400 for COVID-19 donation.

Artificial Intelligence Society UTD, Developer

August 2020 – Present

- Built a convolutional neural network to classify objects inside of images of trash.

Comet Solar Racing UTD, Software Engineer

August 2020 - Present

- Creating low-level software with ADA/MISRA-C for solar-powered vehicle.

Association for Computing Machinery (ACM) UTD, Member

August 2020 – Present

Awards: AP Scholar with Distinction, FTC Robotics Inspire & Innovate Award, EarthX Hack 2019 3rd Place, Academic Excellence Scholar (Full-ride scholarship to University of Texas - Dallas)